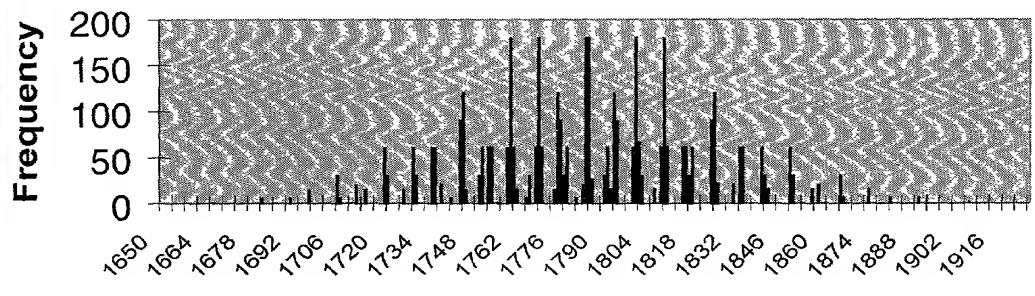
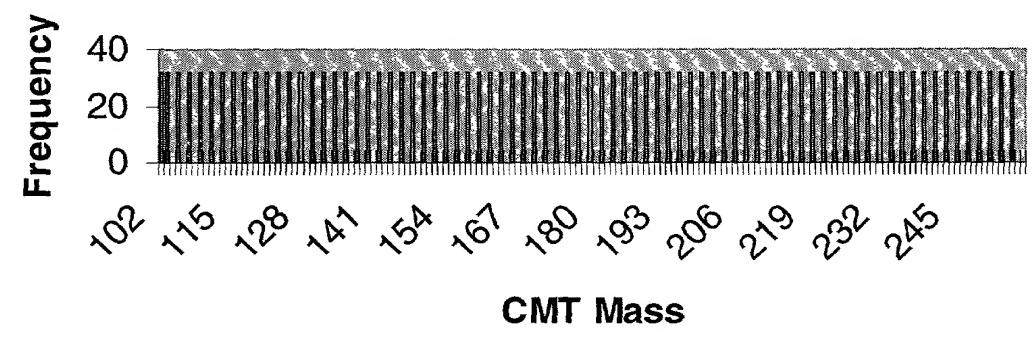


# Figure 1

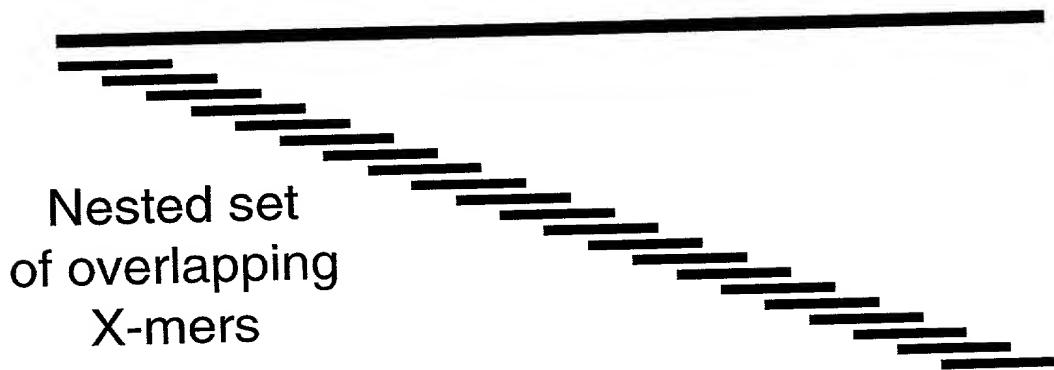
All 4,096 6mers with 5' & 3'  
Terminal Hydroxyl



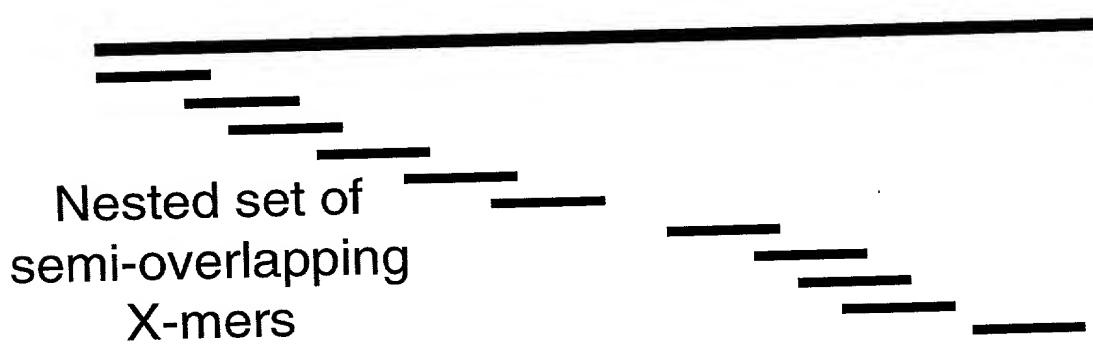
128 CMTs for 4,096 6-mers



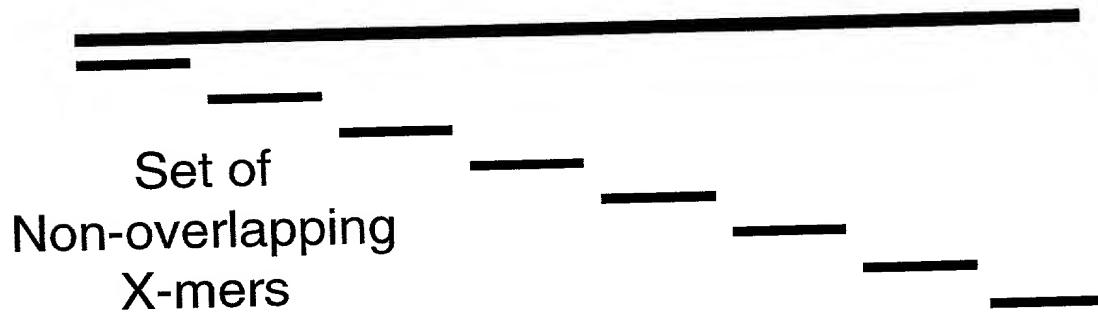
## Figure 2A



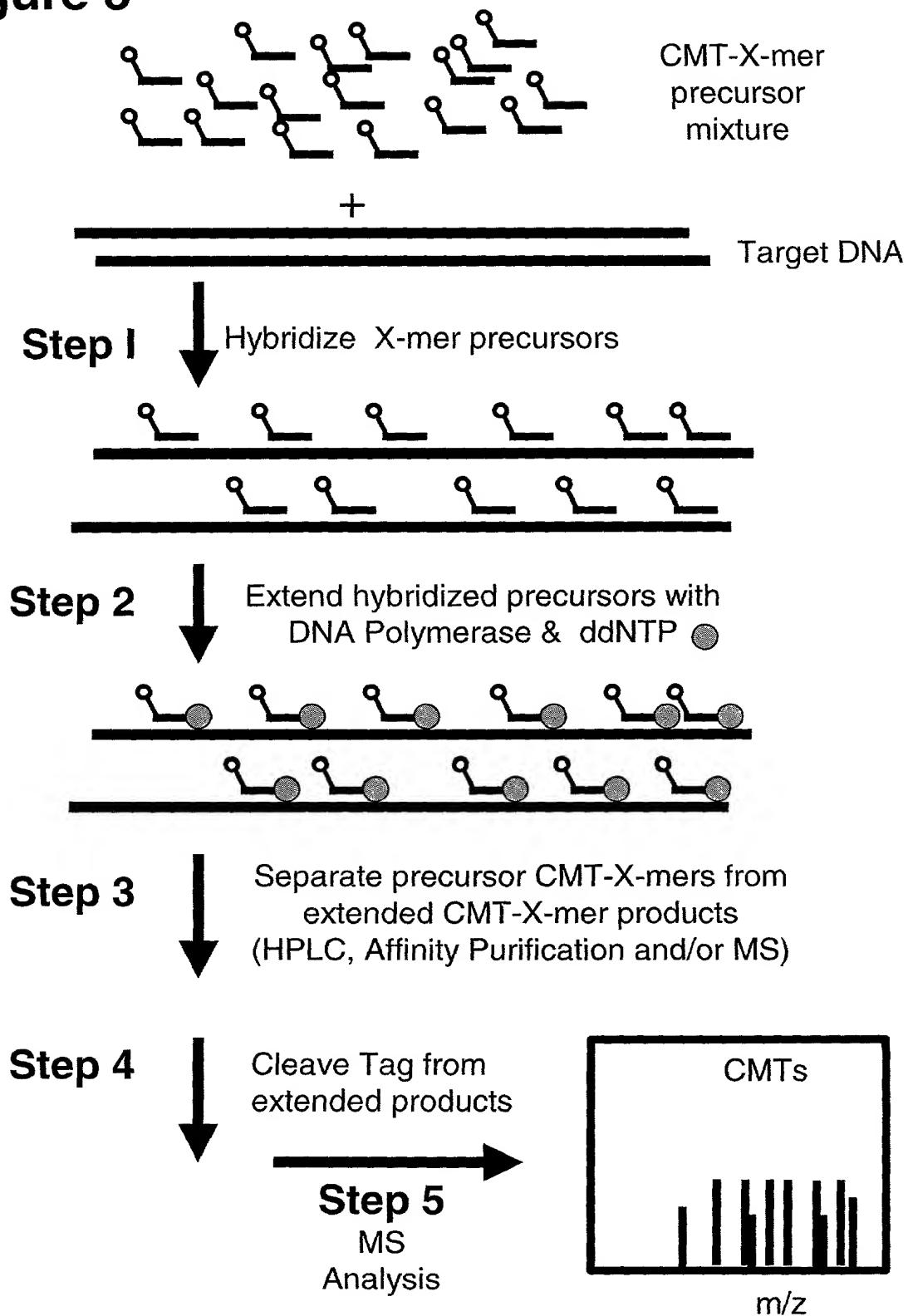
## Figure 2B



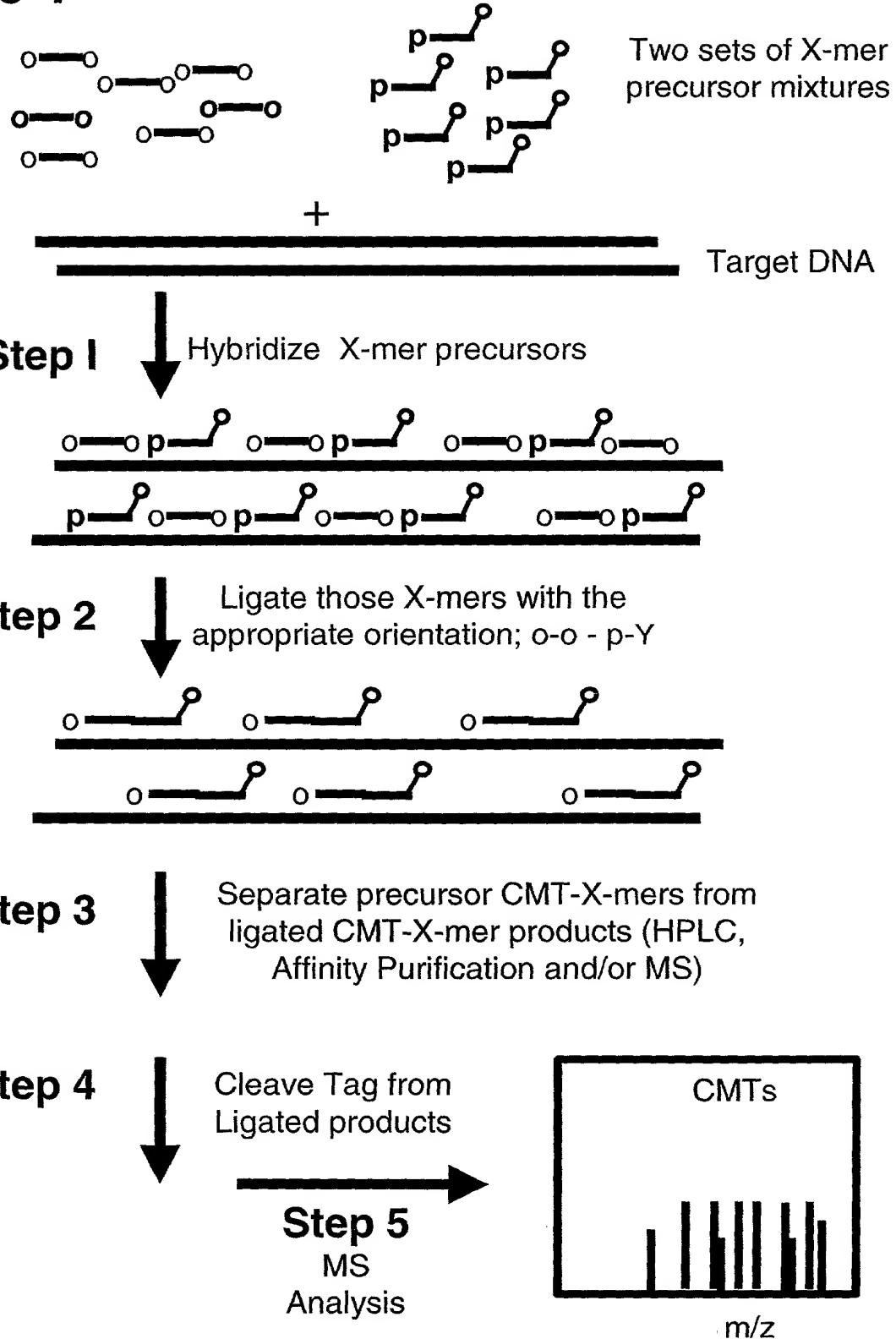
## Figure 2C



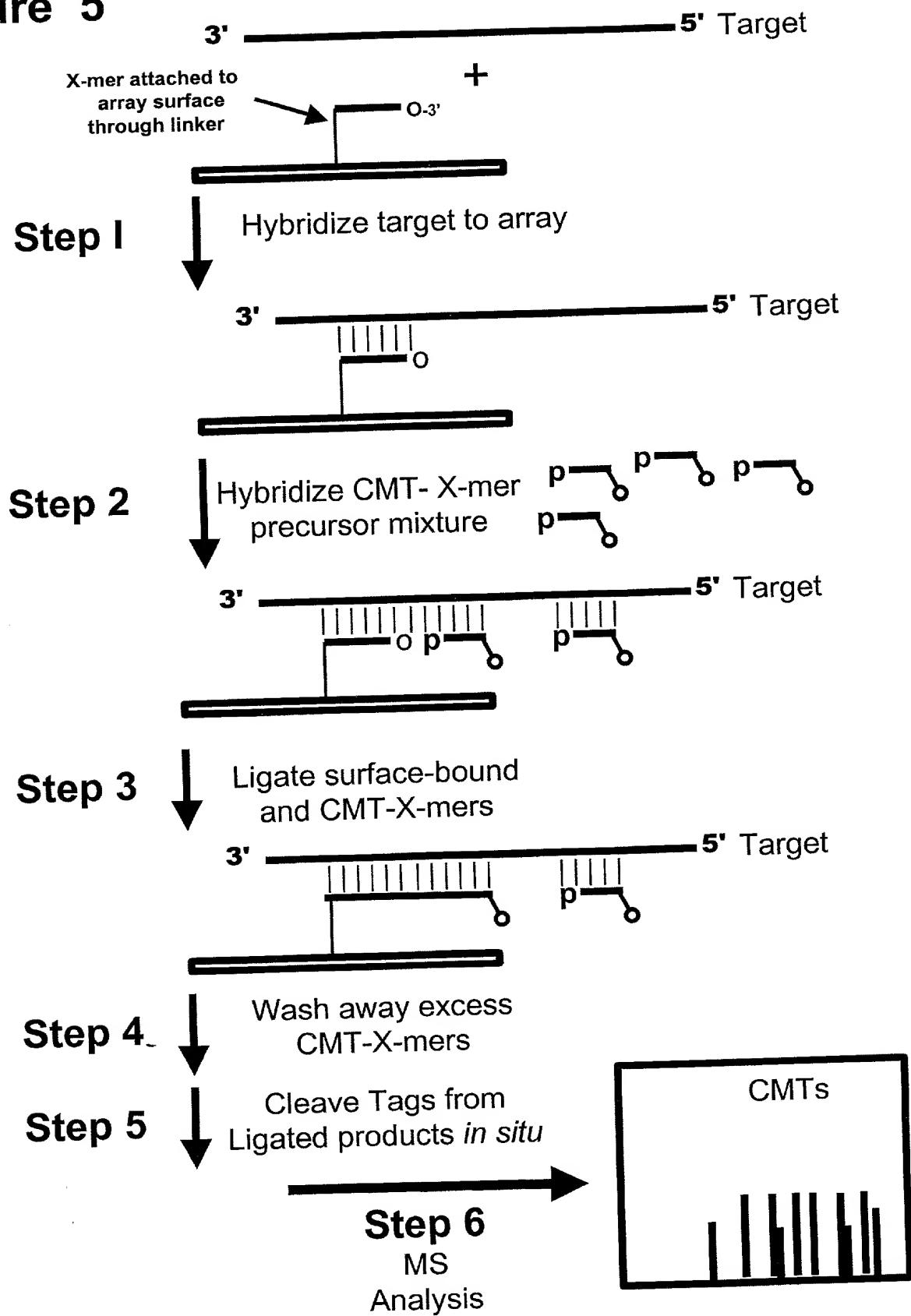
**Figure 3**



**Figure 4**

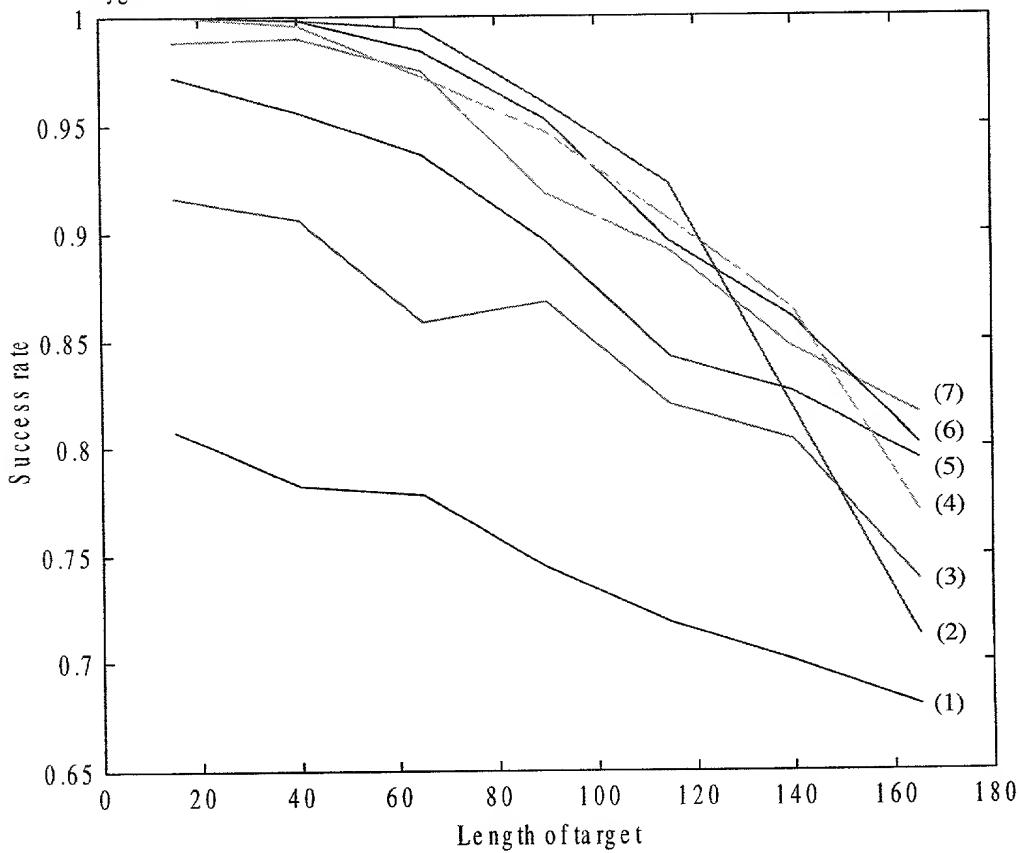


# Figure 5



## Figure 6

Heterozygous mutation detection success rates of PCMTs PEA with 6-mers and 100 tags



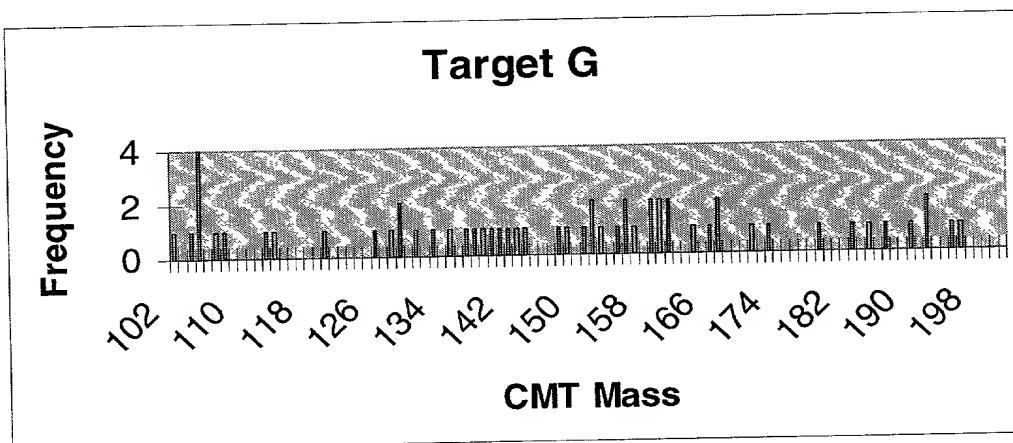
# Figure 7

TACACATTGTCAAGGACGTACCCG**C**CGTACTTGGCTCCGGTAGGAGTGGTAGTAGTGTGAC

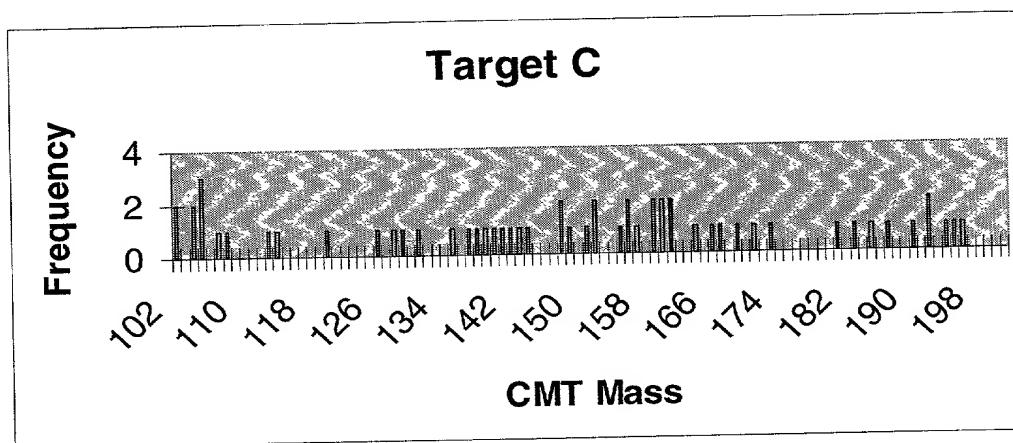
ATGTGTA  
TGTGTAA  
GTGTAAC  
TGTAACA  
GTAACAG  
TAACAGT  
AACAGTT  
ACAGTTC  
CAGTTCC  
AGTT CCT  
GTTCC TG  
TTCCTGC  
TCCTGCA  
CCTGCAT  
CTGCATG  
TGCATGG  
GCATGGG  
CATGGGC  
**ATGGGC G**  
TGGGC GG  
GGGC GGC  
GGC GGCA  
GCGGCAT  
CGGCATG  
**G**GCATGA  
GCATGAA  
CATGAAC  
ATGAACC  
TGAACCG  
GAACCGG  
AACCGGA  
ACCGGAG  
CCGGAGG  
CGGAGGC  
GGAGGCC  
GAGGCC  
AGGCCCA  
GGCCC AT  
GCCCATC  
CCCATCC  
CCATCCT  
CATCCTC  
ATCCTCA  
TCCTCAC  
CCTCAC  
CTCACCA  
TCACCAT  
CACCATC  
ACCATCA  
CCATCAT  
CATCATC  
ATCATCA  
TCATCAC  
CATCAC  
ATCACAC  
TCACACT  
CACACTG

**Figure 8**

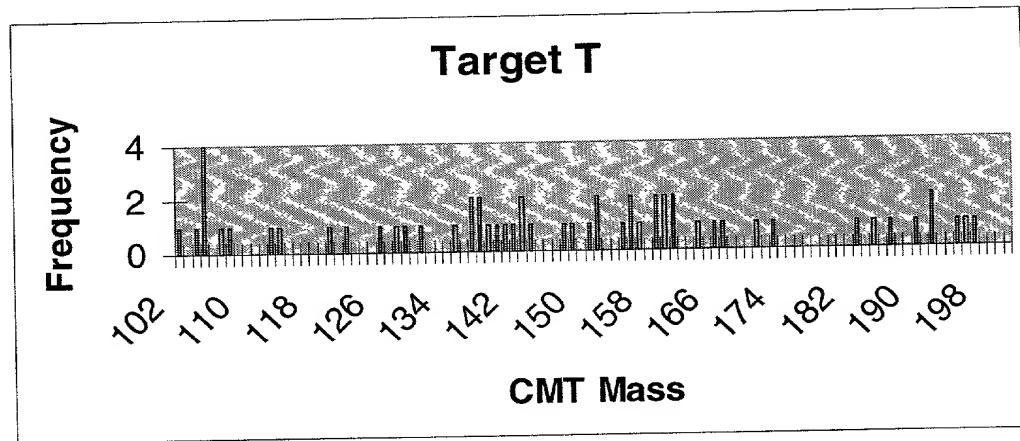
**A**



**B**

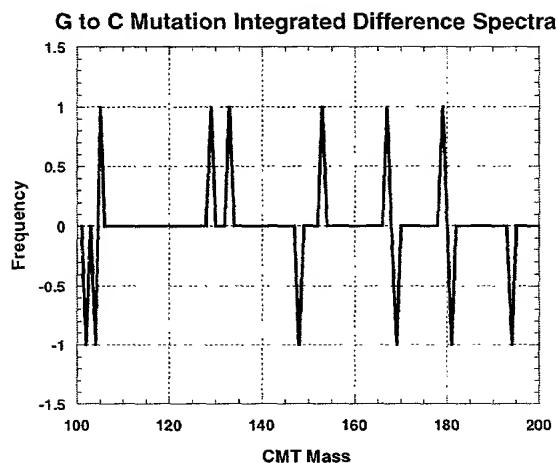


**C**

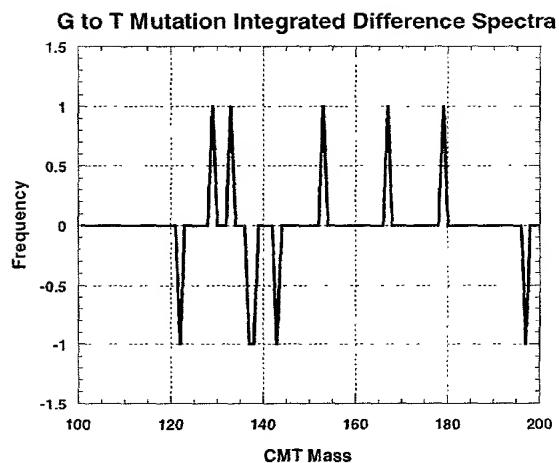


# Figure 9

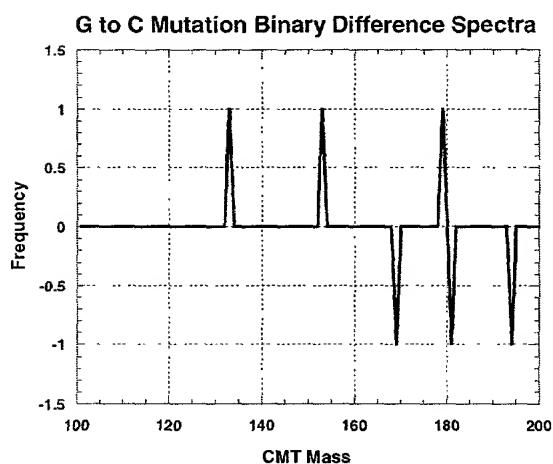
A



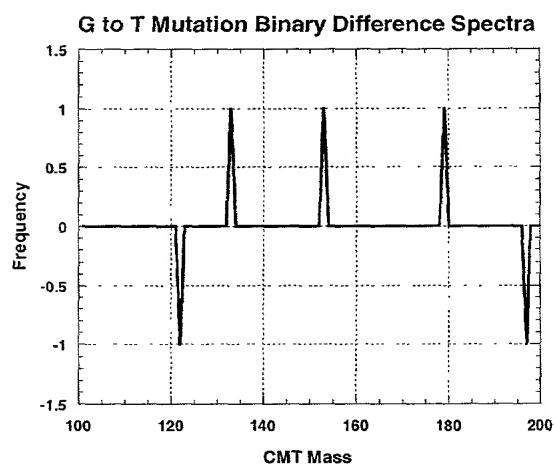
B



C

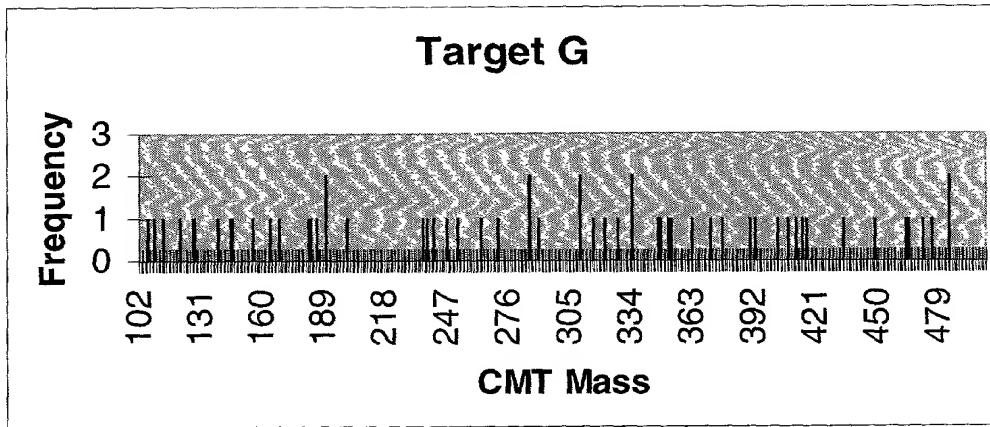


D

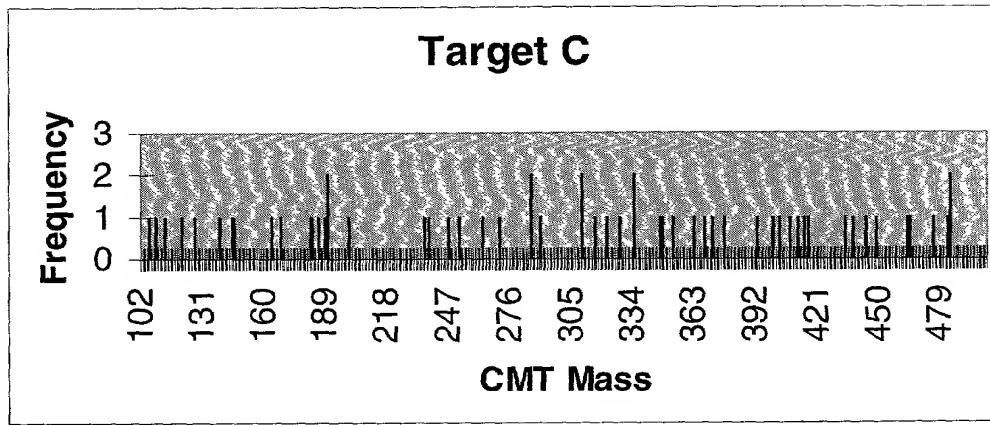


# Figure 10

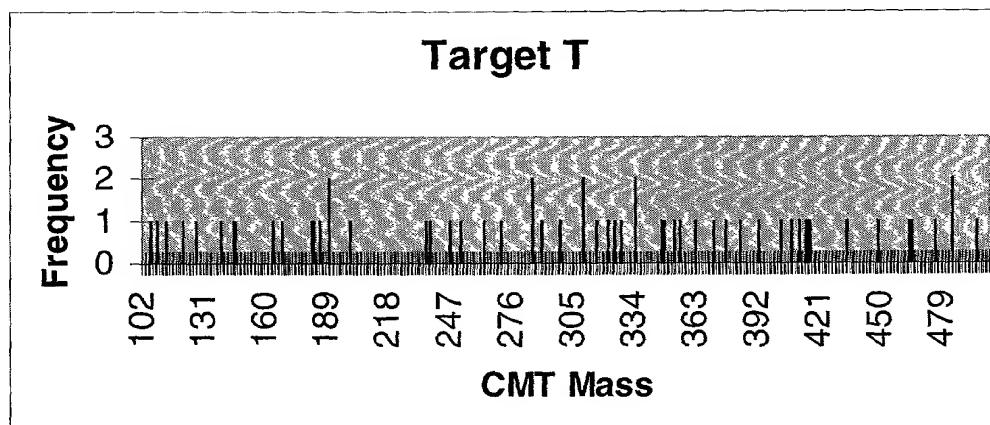
A



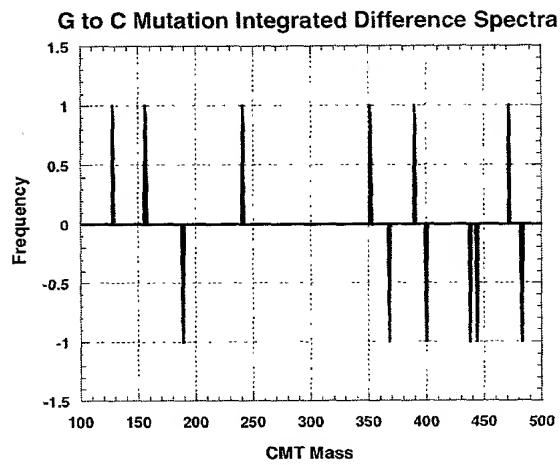
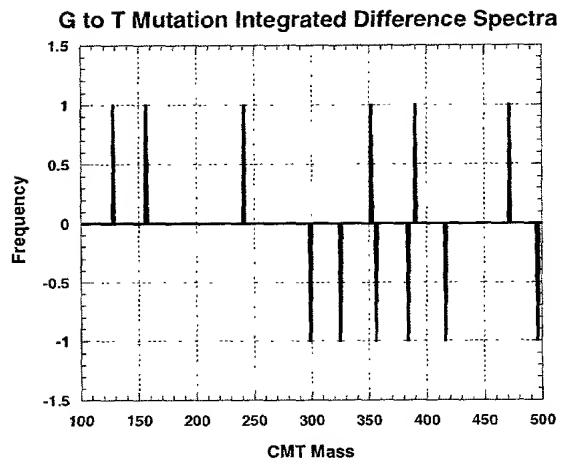
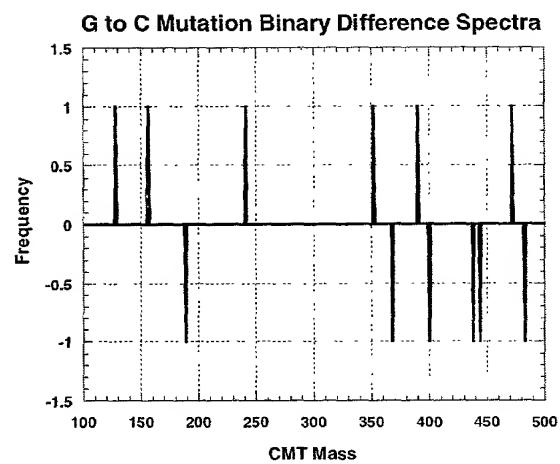
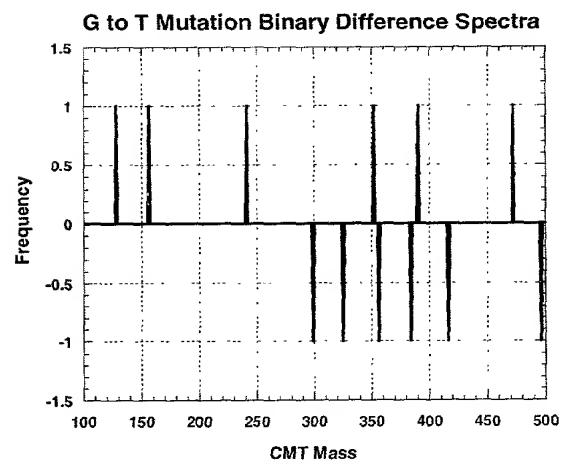
B



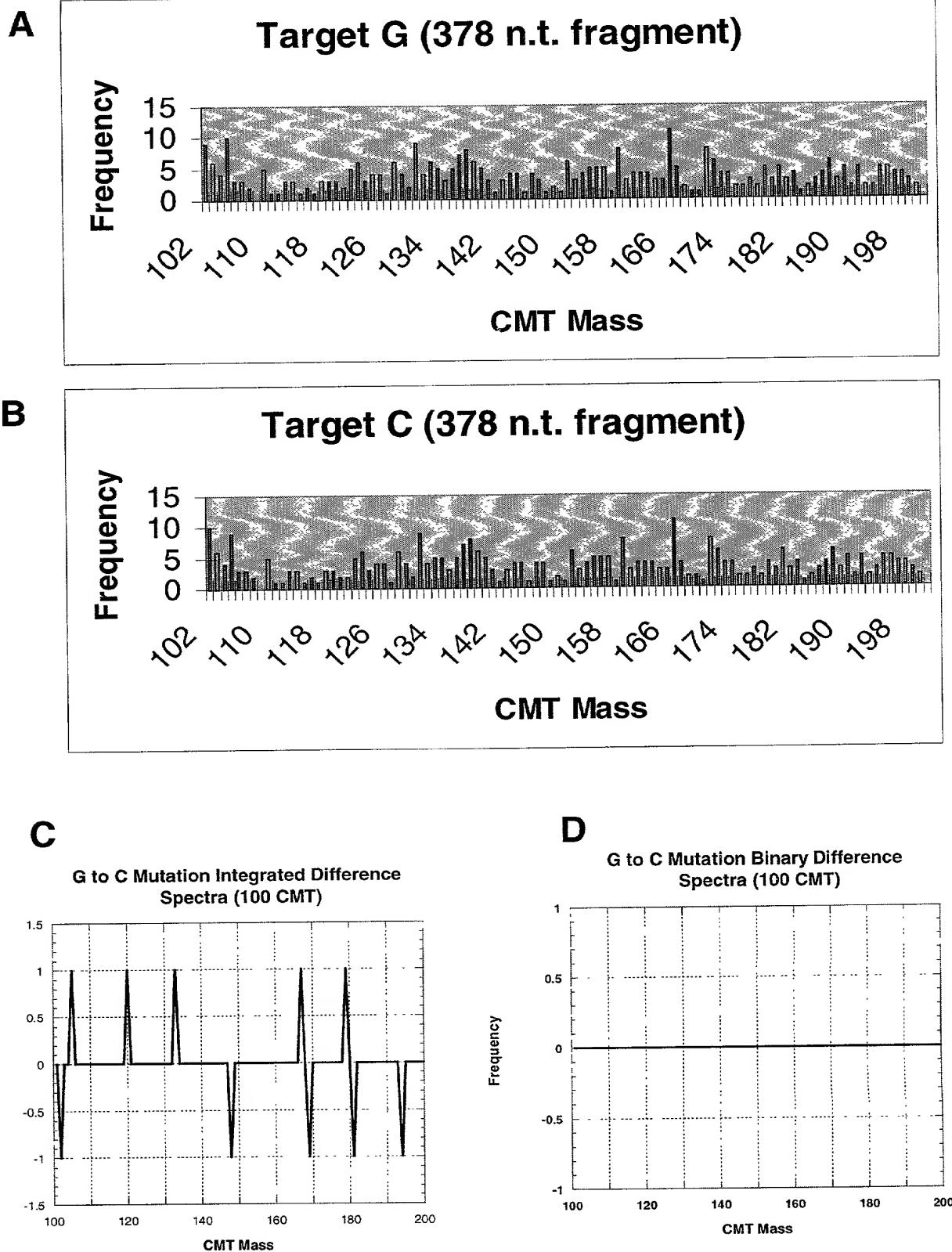
C



# Figure 11

**A****B****C****D**

# Figure 12



# Figure 13

